

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 8, 2004, 17:01:33 ; Search time 14.6518 Seconds
(without alignments)
1826.677 Million cell updates/sec

Title: US-10-771-418-10

Perfect score: 2752

Sequence: 1 MTPILTVLCIGLSLGRTH.....SRTYIIITVCWSFLETAINI 514

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 141681 seqs, 52070155 residues

Total number of hits satisfying chosen parameters: 141681

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : SwissProt_42.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	2466.5	89.6	483	LIA2_HUMAN	Q8n149 homo sapien
2	1888.5	68.6	489	LIA1_HUMAN	Q75019 homo sapien
3	1754	63.7	439	LIA3_HUMAN	Q8n6c8 homo sapien
4	1752	63.7	650	LIA3_HUMAN	Q8n116 h leukocyte
5	1750	63.6	598	LIA2_HUMAN	Q8n423 h leukocyte
6	1519	55.2	499	LIA4_HUMAN	P59901 homo sapien
7	1510	54.9	631	LIA3_HUMAN	Q75022 homo sapien
8	1337	48.6	590	LIA5_HUMAN	Q75023 homo sapien
9	1321.5	48.0	643	LIA5_PANTR	Q8mj47 pan troglod
10	626.5	22.8	448	LIA6_HUMAN	Q8nh16 homo sapien
11	555.5	20.2	455	LIA2_HUMAN	P43630 homo sapien
12	544	19.8	444	LIA2_HUMAN	P43629 h killer ce
13	534.5	19.4	387	LIA3_HUMAN	Q14943 homo sapien
14	489.5	17.8	335	LIA4_MOUSE	Q64281 mus musculus
15	479	17.4	432	LIA1_MOUSE	P83555 mus musculus
16	462.5	16.8	422	LIA1_RAT	P83556 rattus norv
17	432.5	15.7	303	LIA4_MOUSE	Q61450 mus musculus
18	411	14.9	304	LIA2_HUMAN	P43631 homo sapien
19	410	14.9	341	LIA2_HUMAN	P43628 h killer ce
20	409.5	14.9	348	LIA2_HUMAN	P43627 homo sapien
21	399.5	14.5	348	LIA1_HUMAN	P43626 h killer ce
22	387.5	14.1	304	LIA2_HUMAN	P43632 homo sapien
23	379	13.8	304	LIA2_HUMAN	Q14954 homo sapien
24	369	13.4	304	LIA2_HUMAN	Q14952 homo sapien
25	365	13.3	304	LIA2_HUMAN	Q14953 homo sapien
26	365	13.3	377	LIA4_HUMAN	Q99706 homo sapien
27	349.5	12.7	287	LIA4_HUMAN	P24071 homo sapien
28	298.5	10.8	495	LIA6_HUMAN	P04217 homo sapien
29	216.5	7.9	291	LIA3_DIDMR	P82957 didelphis m
30	200	7.3	3707	LIA4_MOUSE	Q05793 mus musculus
31	190.5	6.9	847	LIA2_HUMAN	P20273 homo sapien
32	180.5	6.6	4391	LIA4_HUMAN	P98160 homo sapien
33	177	6.4	862	LIA2_MOUSE	P35329 mus musculus

34	167.5	6.1	702	1	CEA5_HUMAN	P06731 homo sapien
35	161.5	5.9	1694	1	SN_MOUSE	Q62230 mus musculus
36	159.5	5.8	1709	1	SN_HUMAN	Q9bzz2 homo sapien
37	156.5	5.7	646	1	MUI8_HUMAN	P43121 homo sapien
38	149.5	5.4	526	1	CEA1_HUMAN	P13688 homo sapien
39	143.5	5.2	1447	1	DCC_MOUSE	P70211 mus musculus
40	137.5	5.0	972	1	KFMS_HUMAN	P07333 homo sapien
41	137.5	5.0	4289	1	TENX_HUMAN	P22105 homo sapien
42	136.5	5.0	912	1	ICAS_RABIT	Q28730 oryctolagus
43	133.5	4.9	740	1	PEC1_PIG	Q95242 sus scrofa
44	133.5	4.9	1447	1	DCC_HUMAN	P43146 homo sapien
45	132.5	4.8	3375	1	UNS2_CABEL	Q06561 caenorhabdit

ALIGNMENTS

RESULT 1
LIA2_HUMAN
ID LIA2_HUMAN STANDARD; PRT; 483 AA.
AC Q8N139; Q75020;
DT 10-OCT-2003 (Rel. 42, Created)
DT 10-OCT-2003 (Rel. 42, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Leukocyte immunoglobulin-like receptor subfamily A member 2 precursor
DE (leucocyte immunoglobulin-like receptor 7) (LIR-7) (immunoglobulin-
DE like transcript 1) (ILT-1) (CD85h antigen).
GN LILRA2 OR LIR7 OR ILT1.
OS Homo sapiens (Human)
OC Sukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
OX NCBI_TaxID=9606;
RN [1]
RP SEQUENCE FROM N.A. (ISOFORM 1), AND TISSUE SPECIFICITY.
RC TISSUE=Peripheral blood leukocytes;
RX MEDLINE=98208234; PubMed=9548455;
RA Borges L., Hsu M.-L., Fanger N., Rubin M., Cosman D.;
RT "A family of human lymphoid-and-myeloid Ig-like receptors, some of
RL which bind to MHC class I molecules."; J. Immunol. 159:5192-5196(1997).
RN [2]
RP SEQUENCE FROM N.A. (ISOFORM 2).
RC TISSUE=Lung, and Pancreas;
RX MEDLINE=22388257; PubMed=12477932;
RA Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klauser R.D., Collins P.S., Wegner L., Shenmen C.M., Schuler G.D.,
Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Heide F.,
Diatchenko L., Marusina K., Farmer A.A., Rubin G.M., Hong L.,
Brownstein M., Soares M.B., Bonaldo M.P., Casavant T.L., Scheetz T.E.,
Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullaly S.J.,
Bosak S.A., McSwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H.,
Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W.,
Villalon D.K., Muny D.M., Sodergren E.J., Lu X., Gibbs R.A.,
Fahey J., Helton E., Kettelman M., Madan A., Rodrigues S., Sanchez A.,
Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C.,
Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M.,
Butterfield Y.S., Krzywinaki M.I., Skalek U., Smailus D.E.,
Schnerch A., Schein J.E., Jones S.J.M., Marra M.A.;
RT "Generation and initial analysis of more than 15,000 full-length
human and mouse cDNA sequences"; Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
RL -I- FUNCTION: May act as receptor for class I MHC antigens.
CC -I- SUBCELLULAR LOCATION: Type I membrane protein.
CC -I- ALTERNATIVE PRODUCTS:
CC Event=Alternative splicing; Named isoforms=2;
CC Name=1;
CC IsoId=Q8N149-1; Sequence=Displayed;
CC Name=2;
CC IsoId=Q8N149-2; Sequence=VSP_008455;
CC Note=No experimental confirmation available;

